

Ham's Nutrient Mixture (F12 and F10)

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	Ham's	Ham's	Ham's					
	F-12	F-10	F-10					
Cat. No.	12-615	12-618	02-014F					
	Liquid	Liquid	Liquid					
Component	mg/L	mg/L	mg/ml					
Inorganic Salts								
CaCl₂•2H₂0	44.11	44.10	44.10					
CuSO ₄ •5H ₂ 0	0.00	0.00	0.00					
FeSO₄•7H₂0	0.83	0.83	0.83					
KCI	223.65	285.00	285.00					
KH₂PO₄		83.00	83.00					
MgCl ₂ •6H ₂ 0	122.00							
MgSO ₄ •7H ₂ 0		152.80	152.80					
NaCl	7599.00	7400.00						
NaHCO ₃		1200.00						
Na ₂ HPO ₄ •7H ₂ 0	268.10							
ZnSO4•7H ₂ 0	0.86	0.29						
Other Components	0.00	0.20	0.23					
Glucose	1801 60	1100 00	1100.00					
Hypoxanthine	4.08							
Linoleic Acid	0.08		4.00					
			0.20					
Lipoic Acid	0.21							
Phenol Red•Na	1.24		1.20					
Putrescine•2HCI	0.16		440.00					
Sodium Pyruvate	110.10							
Thymidine	0.73	0.73						
Amino Acids								
L-Alanine	8.91	8.91						
L-Arginine•HCI	210.70							
L-Asparagine• H₂0	15.01							
L-Aspartic Acid	13.31							
L-Cysteine•HCI• H₂0	35.12							
L-Glutamic Acid	14.71	14.70	14.70					
L-Glutamine	146.20	146.20						
L-Alanyl•L-Glutamine			446.00					
Glycine	7.51	7.51	7.51					
L-Histidine•HCI•H ₂ 0	20.96	21.00	23.00					
L-Isoleucine	3.94	2.60	2.60					
L-Leucine	13.12	13.10	13.10					
L-Lysine•HCI	36.54	29.30	29.30					
L-Methionine	4.48	4.48	4.48					
L-Phenylalanine	4.96	4.96	4.96					
L-Proline	34.53	11.50	11.50					
L-Serine	10.51							
L-Threonine	11.91	3.57						
L-Tryptophan	2.04							
L-Tyrosine	5.44		1.81					
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L-Valine	11.71	3.50	3.50	
Vitamins				
d-Biotin	0.01	0.02	0.02	
D-Ca Pantothenate	0.24	0.72	0.72	
Choline Chloride	13.96	0.70	0.70	
Folic Acid	1.32	1.32	1.32	
i-Inositol	18.00	0.54	0.54	
Nicotinamide	0.04	0.62	0.62	

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